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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/665,111	09/16/2003	Dolores Schendel	1406/468	6128	
25297 7590 01/04/2011 JENKINS, WILSON, TAYLOR & HUNT, P. A.			EXAM	EXAMINER	
3100 Tower Blvd.			CANELLA, KAREN A		
Suite 1200 DURHAM, N	27707		ART UNIT	PAPER NUMBER	
			1643		
			MAIL DATE	DELIVERY MODE	
			01/04/2011	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/665,111 SCHENDEL ET AL. Office Action Summary Examiner Art Unit

P	(aren A. Canella	1643				
The MAILING DATE of this communication appea	rs on the cover sheet with the	correspondence address	-			
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY I WHICHEVER IS LONGER, FROM THE MAILING DAT - Extracors of time may be available under the provisions of 37 CFR 1.138(, after SX (6) MONTHS from the making date of this communication. 1. Failure to reply within the act or extended pends for reply will, by standard ca. Any reply received by the Office later than three months after the making dis agency factors them adjustment. See 37 CFR 1.1704(b).	E OF THIS COMMUNICATIO a). In no event, however, may a reply be til apply and will expire SIX (6) MONTHS from use the application to become ABANDONE	N. nely filed the mailing date of this communic D (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on						
	ction is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex	· · · · · · · · · · · · · · · · · · ·		.0 .0			
	,					
Disposition of Claims						
4) Claim(s) <u>23-26,33-42,44-47 and 49</u> is/are pendin						
4a) Of the above claim(s) is/are withdrawn	from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) 23,25,26,33-35,38-40,44,47 and 49 is/a	•					
7)⊠ Claim(s) <u>24,36,37,41,45 and 46</u> is/are objected to						
8) Claim(s) are subject to restriction and/or e	lection requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accep	ted or b) ☐ objected to by the	Examiner.				
Applicant may not request that any objection to the dra	wing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction	is required if the drawing(s) is ob	jected to. See 37 CFR 1.12	21(d).			
11) The oath or declaration is objected to by the Exam	niner. Note the attached Office	Action or form PTO-15	2.			
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign pr	iority under 35 H.S.C. & 119/a)-(d) or (f)				
a) All b) Some * c) None of:	ionity and or or or or or or or	, (0, 0. (.).				
1.☐ Certified copies of the priority documents h	ave been received.					
Certified copies of the priority documents have been received in Application No						
3. ☐ Copies of the certified copies of the priority)			
application from the International Bureau (I		•				
* See the attached detailed Office action for a list of	the certified copies not receive	ed.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
Notice of Draftsperson's Fatent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/I//ail D 5) ☐ Notice of Informal I					

1) Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date	
Information Disclosure Statement(s) (PTO/SB/08)	Notice of Informal Patent Application	
Paper No(s)/Mail Date	6) Other: .	

DETAILED ACTION

Claims 27-32, 43 and 48 have been canceled. Claims 23-26, 33-42, 44-47 and 49 are pending and under consideration.

After review and reconsideration, the finality of the Office action of August 31, 2010 is withdrawn in favor of the rejections below.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 47 and 49 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear how claims 47 and 49 further limit the scope of claims 23 and 33, because the semi-allogeneic antigen-presenting cell will inherently have a HLA-haplotype that is 50% identical to that of the patient.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 23, 25, 26, 33-35, 38-40, 44, 47 and 49 are rejected under 35 U.S.C. 102(b) as being anticipated by Rhode et al (U.S. 5,869,270)

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Rhode et al disclose a method wherein host compatible antigen presenting cells which are haploidentical cells having the same haplotype as that of the subject (column 21, lines 46-54) are transfected with polynucleotides encoding MHC fusion proteins (abstract). Rhodes et al disclose cDNA as a source of proteins or peptides of tumor cells (column 17, lines 19-21) which meets the limitation of proteins and/or peptides over expressed in tumor cells.. Rhodes et al disclose that antigen-presenting cells of the invention include dendritic cells (Example 16). Rhodes et al disclose that the invention provides for invoking an immune response in a mammal against a targeted disorder, such as cancer and in particular melanoma (column 23, lines 49-53). The disclosure of Rhodes et al fulfill the specific embodiments of a semi-allogeneic antigen presenting cells because an antigen presenting cell which is haploidentical includes semi-allogeneic antigen presenting cells which inherently possess one syngeneic HLA allele and one allogeneic HLA allele. Thus the disclosure of Rhodes et al fulfills the requirements of claims 47 and 49 regarding an HLA-haplotype that is 50% identical to that of the patient.

Claims 24, 36, 37, 41, 45 and 46 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

All other rejections and objections as set forth or maintained in the prior Office action are withdrawn in light of applicant's amendments.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen A. Canella whose telephone number is (571)272-0828. The examiner can normally be reached on 9:30-6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Misook Yu can be reached on (571)272-0839. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Karen A Canella/ Primary Examiner, Art Unit 1643